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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,363	03/31/2004	Abbas Amirichimeh	1875.5620001	5020
26111 7590 02/28/2008 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005				
			EXAMINER BOCURE, TESFALDET	
			ART UNIT 2611	PAPER NUMBER
			MAIL DATE 02/28/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/813,363

**Applicant(s)**

AMIRICHIMEH ET AL.

**Examiner**

Tessfaldet Bocure

**Art Unit**

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-21 is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☒ Claim(s) 6-10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 November 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 11/07/07.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☒ Other: Approved Amen. Drawing.

## **DETAILED ACTION**

### ***Drawings***

1. Claims 1-21 are pending in the Application

### ***Information Disclosure Statement***

2. The Information Disclosure Statement (IDS) received on 11/7/07 has been considered by the Examiner and the initialed page (one page) of the IDS is attached with this correspondence.

### ***Drawings***

3. The drawing was received on 11/07/07. This drawing is approved by the Examiner.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by **Chiang** (US patent publication No. 7,251,280, newly cited).

6. **Chiang** teaches a data transfer unit (fig. 2) for communicating between external device, such as a storage medium (claimed disc in claimed disc drive) comprising: a plurality of transceiver chips, each transceiver chip having a plurality of serializer/deserializer (see serializer and deserializer in fig. 2) cores, each SERDES core having one or more SERDES lanes, each SERDES lane having a receive channel and a transmit channel (see driver and receivers 245,255,265 and 275 in fig. 2) , wherein the transmit channel of each SERDES lane is phase-locked with a corresponding receive channel as in claim 1 (see claim 1, where each of the transmitter and receivers are phase locked).

Further to claim 2, **Chiang** also teaches that each SERDES core receives and transmits data to and from external components connected to the SERDES core (see claim 1).

Further to claims 3,4, and 5, **Chiang** shows that the external component being a storage medium, claimed disc drive in claim 3; and communicating with the plurality of SERDES as in claim 3 (see element 416); the transmit channel and the corresponding receive channel are each part of a common SERDES lane as in claim 4 (see common element 410); and the transmit channel is part of a first SERDES lane of a common SERDES core, and the corresponding receive channel is part of a second SERDES lane of the common SERDES core as in claim 5 (see fig. 2).

***Response to Amendment***

7. Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

***Allowable Subject Matter***

8. Claims 11-21 are allowed.

9. Claims 6-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

the claimed subject matter in claims 6-21 is allowable because the arts of record fail to teach or fairly suggest the claimed "transceiver system of claim 1, wherein the transmit channel is part of a first SERDES lane of a first SERDES core, and the corresponding receive channel is part of a second SERDES lane of a second SERDES core" as in claim 6, see figs 6C-6E; and "A method of transferring data from a first external component to a second external component using an active transceiver unit (the active transceiver unit acting as a repeater or relay), wherein the transceiver unit having a plurality transceiver chips each having SERDES, and the active transceiver's transmitter and receiver phase locked with each other for transmitting external component data from the first to the second external component" as in claim 11 (see fig. 1).

***Conclusion***

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent Publication numbers 2004/0156325 and 2003/0189903 issued to Perkins et al. and Hsu et al. respectively disclose a transceiver unit having a plurality of SERDES.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-3015. The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammed H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

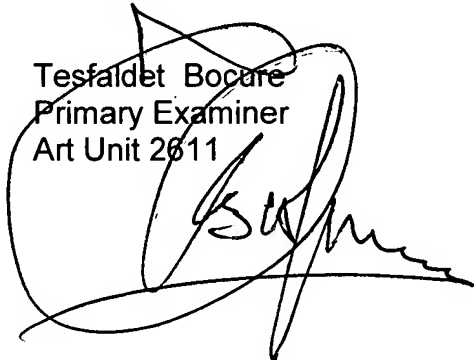
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T.Bocure

Tesfaldet Bocure  
Primary Examiner  
Art Unit 2611



*Handwritten:*  
 1/16/08  
 2/16/08

